

Sept. 1991

14 m long @ 45°

Granite → pocket on north wall

- need causeway to connect
- ore there!
- drilled in 1990
- plan mixed by Fed. Gov't (want bridge) - ~~vertical shaft~~
- want to drill under water in pit (drill once)
- ore - at depth - need to strip

~~1990~~
 2600 ft drill hole on NW rim
 looking up into pit

Corona staked Dorothy prop.
 just recently

Granite
 93L16E
 883624
 93L 145, 146

GRANISLF

Nov. 15/79

- no snow yet + 5°
- Meet Pat Kennedy - new geol.
from Pickle / IK. (Thompson)
- Bob Johnson - Project Engineer
- Don Bankers last day
(going to Elkford)
- av. 13,500 tons/day
@ 45% Ca + (Au + Ag)
- will try to treat 0.008 to 0.01%
+ happy to get 50% rec. in .005
- Molv circuit built by Feb. '80
+ in operation in May.
- est. 36 hrs. turn-around time thru
molv circuit.
- Shovel (mining) down on Bench
22.
- Also mining on Bench 11
(lake level)
- new tailings + waste to Sterritt Ig.
- Trouble to get heavy duty mchx
etc.
- Down ramp from Bench # next.

Louise Ivy Tsang
had baby boy - Johnathan
7165 2oz
last Thurs.

- Toy After office

Strip - 6
Mining - 16

GRANISLE

June 9/78

Strip ratio 2.47:1 now

6 m tons stockpile - + MoS₂

BELL

~ 2100 level - present blasting

~ 2550 top level

High

15,000 tpd

High

- 2380' - present mining

Rebel Dev. (Max)

Sunrise

Granisle - expanding for tailings
onto Sterrett Is. || exploring

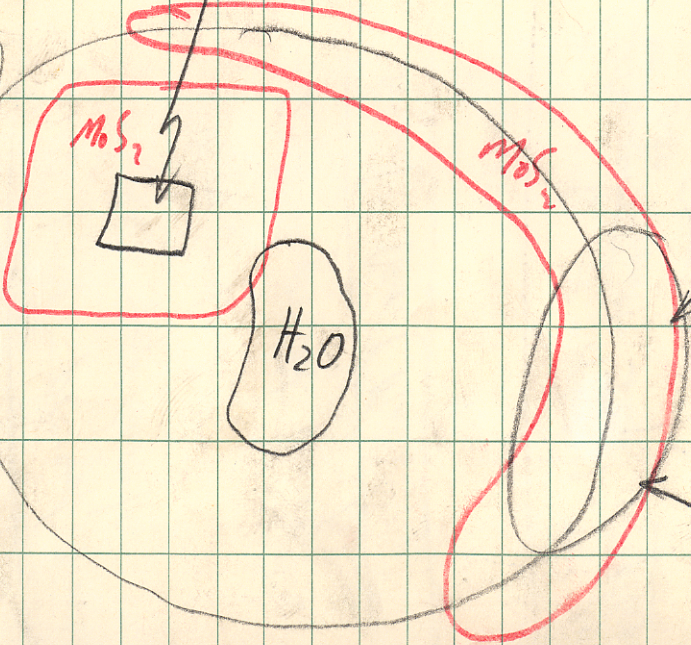
(over!)

av. MoS₂ grade = 0.01

Granisle - June 9/29

6 m.
ton
stackpile

Bench 16 mining



N

Stripping
and
no. of
Bench

Final
pit
outline

2 hypotheses: re: B.F.P. Dec. 8/72
① intrusive
② volcanic (hypabyssal)

Kim says he's seen inclusions
of diorite (metadiorite?) in B.F.P.
+ visa versa.

However he hasn't seen
inclusions of volc. (andesite) or
tuffs in B.F.P.

- Good intrusive contact of
B.F.P. + 'diorite'.

"Hornfelsed" tuff unit should be
thin sectioned!

Kim says. in thin section of
B.F.P. + 'diorite' - matrix has
dark fn. gr. colour due to
fn. gr. broken-up diorite (possibly
pseudomorphic after hbl.)

Alteration

Dec. 8/72

~~Epidote~~ (Kim just recently found)

✓ Chlorite

Potassic - biotitization
Kaolinization

Mineralization

cpy mainly, Rare covellite
(no supergene)

✓ - Bornite - rich pipes - 2 main
ones - ~ 40' to 50' wide

Waste "A" - 0.22 - 0.3, stockpiled
Waste "B" - waste!

✓ Reserves - 86 million tons

av. 0.5% - cut-off at .25

✓ Milling 14,000 tons/day (wet)

% Cu av. ~ 3.2 (but ~ 40)

with higher bornite)

✓ Mill heads now ~ 0.6 - 0.7% Cu

ore grade cut-off right now 0.3

✓ Planning 4 test holes (forming)

~ 40' depth around 'central hole'

- benches are 35'

✓ Kim refers to 'bleached'
rx. — mainly referring to
kaolinization / (rare silica)

- "Breccia" refers to rx. with
≥ 50% frag.
i.e. not truly hydrothermal,
explosion breccia

In T.S. of 'diorite' - fsp. has
been corroded

In T.S. of P.F.B. - well-zoned,
twinned plag. (andesine)

Soil geochem. over orebody
assayed 0.03% Cu

Pyrrhotite - mainly in volc. + tuffs
(+ trouble for mill)

- Moly is trouble (waste) for mill

Kim disputes 1970 geology map
of Granisle by Japanese geologists
(i.e. ~~thinks~~ map was 'imagination')

PROGRESS - mining on bench 10
+ started on bench 11.
Total planned = 33 benches
(probably 20 yrs. left).

Dec. 8/72

B.F.P.

Better
grade
ore
(kaolinized
zone)

Diorite
(metavolc.?)